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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/602,576	06/22/2000	Joshua A. Jacobs	BIGIP001	1303

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EXAMINER

TODD, GREGORY G

ART UNIT	PAPER NUMBER
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2157

DATE MAILED: 12/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/602,576	JACOBS ET AL.	
	Examiner	Art Unit	
	Gregory G. Todd	2157	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 October 2005.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5, 7-12 and 32-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7-12 and 32-36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. This is a fifth office action in response to applicant's amendment filed, 12 October 2005, of application filed, with the above serial number, on 22 June 2000 in claims 1, 5, 7, and 32 have been amended and claim 6 has been cancelled. Claims 1-5, 7-12 and 32-36 are therefore pending in the application.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-5, 7-9, 12 and 32-36 are rejected under 35 U.S.C. 102(e) as being anticipated by Lee (hereinafter "Lee", 5,862,377).

As per Claim 1, Lee teaches a software architecture for enabling multiple users to perform a plurality of tasks via a wide-area network, wherein Lee discloses:

a plurality of applications (applications) (at least Fig. 3; col. 4, lines 33-52);

a data schema for storing a plurality of data objects, the data schema having an underlying, extensible data model providing a configuration of the data objects in the data schema in terms of fixed attributes and extensible attributes, the extensible

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attributes of the data model enabling extension of the data schema with addition of a previously undefined attribute without having to alter the configuration of the data model (at least col. 8, lines 45-66; data architecture with extensible format via OCL); and

an integrated platform for enabling each of the multiple users to perform at least one of the tasks by controlling interaction between two or more of the applications and the data model (at least col. 5, lines 16-30; col. 6, lines 17-33; col. 7, lines 24-55; eg. interaction between applications).

As per Claim 2.

wherein the integrated platform dynamically contextualizes each stage of a task with reference to a corresponding user (eg. widget to application context of receiver/sender) (at least col. 12, lines 45-50).

As per Claim 3.

wherein the integrated platform creates a contextual task list for the corresponding user (at least col. 8, lines 50-66; ocllist for sender).

As per Claim 4.

wherein a data object is associated with a context information record that further describes a task in which the data object will be used () (at least col. 8, lines 7-30; col. 12, lines 45-50).

As per Claim 5.

wherein the platform allows a user and an application to extend the data schema in a user-specific way, thereby enabling the multiple users and the plurality of applications to use the data schema (at least col. 8, lines 45-66; OCL use and ocllist).

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As per Claim 7.

wherein the extensible, underlying data model provides a standard way of representing the previously undefined data attribute (at least col. 8, lines 45-66; OCL).

As per Claim 8.

further comprising a user interface that is uniform across the plurality of applications (X window and widgets) (at least col. 3 line 46 - col. 4 line 52).

As per Claim 9.

wherein additional services can be added using the plurality of applications (at least col. 5 line 16 - col. 6 line 32; eg. updating widgets).

As per Claim 12.

wherein the architecture is a reactive architecture which supports a plurality of levels of task granularity and is dynamically aware of what information has been entered by a user (at least col. 8, lines 14-66; knowing what kinds of data can transmit).

As per Claim 32.

the extensible data model enabling arranging and configuring application data of one or more of the plurality of applications (at least col. 8, lines 45-66).

As per Claim 33.

wherein the application data are one of a fixed attribute and an extended attribute (at least col. 8, lines 45-63; col. 5, lines 35-57).

As per Claim 34.

further comprising a data logic component for operating on the data (at least col. 8, lines 25-66).

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As per Claim 35.

the user interface implementing a user experience (at least col. 3 line 46 - col. 4 line 52).

As per Claim 36.

further including an information architecture layer for modeling the user experience (at least col. 8, lines 45-63).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 10 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee in view of Reisman (hereinafter "Reisman", 6,594,692).

Lee fails to teach wherein the integrated platform is used to create and maintain an online business presence and customer relationship management application. However, the use and advantages for using such a platform is well known to one skilled in the art at the time the invention was made as evidenced by the teachings of Reisman (at least col. 38, lines 8-63; abstract). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the use of Reisman's system into Lee's system as creating and maintaining particular types of web

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pages is a very well known use for sending and receiving data between users and having such data be compatible for viewing between the sender and receiver.

Response to Arguments

6. Applicant's arguments filed 12 October 2005 have been fully considered but they are not persuasive. Applicants argue, in substance, that Lee fails to teach the amended features of claim 1, including a data schema for storing a plurality of data objects, the data schema having an underlying, extensible data model providing a configuration of the data objects in the data schema in terms of fixed attributes and extensible attributes, the extensible attributes of the data model enabling extension of the data schema with addition of a previously undefined attribute without having to alter the configuration of the data model.

Lee defines OCL as being "an object oriented data architecture providing a general and extensible format for exchanging data between applications" (at least col. 8, line 45 - col. 9 line 9). Lee further describes some other details on OCL. Further information on OCL can be found in USPN 6,243,765 to Raab et al (hereinafter "Raab"; continuation of US Serial # 08/235,158), thus incorporated into Lee and previously cited in at least the previous Office Action. Here, Raab teaches (see col. 5, lines 20-62):

Object Control Language (OCL) Data Class Hierarchy

One embodiment of the present invention employs the Object Control Language data model as the foundation for providing communications between applications. Using object oriented techniques, OCL allows applications to communicate simply and efficiently. OCL allows applications, having different versions, to share information, and pass information on to other applications, without the loss of data. OCL does not require that older versions of applications be updated before they can share information with newer versions of applications.

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Object oriented techniques are well known. For example, DDM uses an object oriented approach. Traditional programming techniques rely on operations to perform functions on operands. The operations are the active part of the language. The operands are the passive part of the language. That is, operands are changed when operations act on them. In object oriented languages, operations and operands are replaced with objects. Each object understands commands, also known as methods. Each object contains both data and methods of manipulating that data. Commands are used to request an object to access its data. For example, a list object typically includes data representing a list of other objects. Another object may request the list object to provide the first object in its list. The list object receives the request, processes the request and provides the first object in its list.

Objects belong to classes. Each object is representative of some class, for example a list object is an instance of a List class. A class defines the commands that an object understands.

Class inheritance is also known and is used in OCL. Every new OCL class is a subclass of some other OCL class. The subclass has all the same data and understands all the commands of its superclass. The subclass can also add additional data and commands.

In one embodiment of the present invention, OCL is implemented in C++. However, other languages could be used to implement OCL, for example, Smalltalk, Objective C and LISP. Generally, any language that allows treating various OCL classes identically can be used to implement OCL.

Thus, even as Lee teaches the data architecture of OCL as having an extensible format, Raab further goes into detail about OCL as having a class hierarchy, wherein each OCL class has a subclass, wherein the subclass can add additional data and commands on top of the OCL class, thus having, using, and being compatible with the same OCL class, but being extensible, as Lee suggested. Raab further teaches that OCL is a data model and refers to it as Object Control Language data model. Thus Lee, in addition to Raab, teaches all the features of amended claim 1.

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Newly cited Raab et al and Peel et al, in addition to previously cited Ashby et al, Gawlick et al, Fohn et al, Bowman-Amuah, Hanson et al, D'Arlach et al, Bernardo et al, Lagarde et al (distributed tasking), Sondur et al (relational database), Cohen (ASP page application authoring), Graham (remote web-authoring methods), Wolfe et al (website development details), and Belanger (remote server application execution) are cited for disclosing pertinent information related to the claimed invention. Applicants are requested to consider the prior art reference for relevant teachings when responding to this office action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory G. Todd whose telephone number is (571)272-4011. The examiner can normally be reached on Monday - Friday 9:00am-6:00pm w/ first Fridays off.

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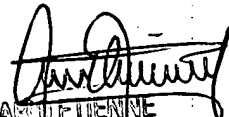
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571)272-4001. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Gregory Todd

Patent Examiner

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